

06928440 ROUBIDOUX SPRING AT WAYNESVILLE, MO
(Ambient water-quality monitoring network)

WATER-QUALITY RECORDS

LOCATION.--Lat 37°49'30", long 92°11'53", NE 1/4 NW 1/4 sec.25 T.36 N., R.12 W., Pulaski County, Hydrologic Unit 10290201. Take Business Loop 44 through Waynesville, turn south along river and follow up to spring.

PERIOD OF RECORD.--November 1993 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	OXYGEN, DIS-SOLVED (mg/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (mg/L) (00340)	COLI-FORM, FECAL, 0.7 µM-MF (COLS./100 mL) (31625)	STREP-TOCOCCI, KF AGAR (COLS. PER 100 mL) (31673)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 mL) (31633)
NOV 05...	1405	32	15.8	410	7.18	6.1	61	--	K14	K13	K12
JAN 20...	1520	110	9.4	300	7.74	10.7	94	<10	24	66	K8
MAR 17...	1020	e250	9.7	260	7.58	10.6	93	--	K14	84	K4
APR 09...	1055	180	10.6	250	7.42	9.0	81	--	K3	K10	K6
JUN 17...	0945	150	16.9	274	7.57	10.1	103	<10	165	190	67
AUG 03...	0955	140	18.7	313	7.09	5.2	55	--	59	82	50
DATE	ANC WATER UNFLTRD FET FIELD (mg/L as CaCO ₃) (00410)	ANC BICAR-BONATE IT FIELD (mg/L as HCO ₃) (00450)	ANC CAR-BONATE IT FIELD (mg/L as CO ₃) (00447)	NITRO-GEN, NO ₂ +NO ₃ DIS-SOLVED (mg/L as N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (mg/L as N) (00613)	NITRO-GEN, AMMONIA DIS-SOLVED (mg/L as N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS-SOLVED (mg/L as N) (00623)	PHOS-PHORUS DIS-SOLVED (mg/L as P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (mg/L as P) (00671)	HARD-NESS TOTAL (mg/L as CaCO ₃) (00900)	CALCIUM DIS-SOLVED (mg/L as Ca) (00915)
NOV 05...	198	247	0	0.40	0.03	<0.02	0.3	0.02	0.02	--	--
JAN 20...	140	170	0	0.68	<0.01	<0.02	<0.1	<0.01	<0.01	160	33
MAR 17...	130	150	0	0.50	<0.01	0.02	<0.1	<0.01	<0.01	--	--
APR 09...	130	160	0	0.30	<0.01	0.03	0.1	0.02	0.03	--	--
JUN 17...	133	163	0	--	--	--	--	--	--	150	30
AUG 03...	146	181	0	0.49	<0.01	0.03	0.1	<0.01	0.01	--	--
DATE	MAGNE-SIUM, DIS-SOLVED (mg/L as Mg) (00925)	SODIUM, DIS-SOLVED (mg/L as Na) (00930)	POTAS-SIUM, DIS-SOLVED (mg/L as K) (00935)	SULFATE DIS-SOLVED (mg/L as SO ₄) (00945)	CHLO-RIDE, DIS-SOLVED (mg/L as Cl) (00940)	FLUO-RIDE, DIS-SOLVED (mg/L as F) (00950)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (mg/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (mg/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (mg/L) (00530)	ALUM-INUM, TOTAL RECOV-ERABLE (µg/L as Al) (01105)
JAN 20...	19	2.4	1.3	8.0	5.7	<0.1	177	156	54.5	2	70
JUN 17...	17	1.9	1.5	5.4	2.8	<0.1	158	139	63.1	<1	80
DATE	ALUM-INUM, DIS-SOLVED (µg/L as Al) (01106)	CADMIUM WATER UNFLTRD TOTAL (µg/L as Cd) (01027)	CADMIUM DIS-SOLVED (µg/L as Cd) (01025)	COPPER, DIS-SOLVED (µg/L as Cu) (01040)	IRON, DIS-SOLVED (µg/L as Fe) (01046)	LEAD, TOTAL RECOV-ERABLE (µg/L as Pb) (01051)	LEAD, DIS-SOLVED (µg/L as Pb) (01049)	MANGA-NESE, DIS-SOLVED (µg/L as Mn) (01056)	MERCURY TOTAL RECOV-ERABLE (µg/L as Hg) (71900)	ZINC, TOTAL RECOV-ERABLE (µg/L as Zn) (01092)	ZINC, DIS-SOLVED (µg/L as Zn) (01090)
JAN 20...	<10.0	<1	<8	<10	<10	<1	<100	<4	<0.1	<10	<20
JUN 17...	33.0	<1	<8	<10	20	<1	<100	<4	<0.1	10	<20

K--Results based on colony count outside the acceptable range (non-ideal colony count).
e--Estimated discharge value.